COR/TIMER/CONTROL BOARD

II. Checkout Procedure

1) Preset the following controls:
"TIME-OUT" pot-½ rotation
"HANG-TIME" pot-½ rotation
"COR DISABLE" Switch (if installed)-open position

2) Turn on the power supply and determine that all indicator lamps are off, and that the transmitter is not activated.

3) Press the "COR SIMULATE" pushbutton (if installed) and note that the "INCOMING SIGNAL" lamp lights. Leave in "COR SIMULATE" mode.

4) Place the "COR DISABLE" Switch (if installed) in the closed position, and note that the transmitter is keyed. After an appropriate interval (determined by the "TIME-OUT" potentiometer setting), the transmitter should go off.

5) Reset the "TIME-OUT" timer by opening and then closing the "COR DISABLE" switch. The transmitter should come back on. Now press the "COR SIMULATE" pushbutton again, and note that the "INCOMING SIGNAL" light will go out immediately and that the transmitter will "hang" for a time interval determined by the "HANG TIME" potentiometer setting. Note also that opening the "COR DISABLE" switch will have the same affect on the timers as would removing the input signal. Opening the "COR DISABLE" switch however, should not be considered as a positive means of shutting down the transmitter, since the ID'er can still bring the transmitter up. In cases where positive shutdown is desired, the "INHIBIT-RESET" pushbutton should be used, as described below.

6) Operate the "INHIBIT-RESET" pushbutton (if installed) and note that the "INHIBIT" lamp comes on. The transmitter is now absolutely deactivated and can not be brought up by any activation of the "COR SIMULATE" function, ID'er, or receiver squelch. This inhibit condition can also be set by applying a logic pulse to the input at pin 20, and can be reset either by another activation of the "INHIBIT-RESET" pushbutton, or by applying a logic pulse to the input at pin 19.

7) Open the receiver squelch control and verify that this has the same effect as operating the "COR SIMULATE" pushbutton. With the receiver squelch set at the desired threshold point, feed in an R.F. signal that just breaks squelch, and adjust R19 until the "INCOMING SIGNAL" lamp lights. (R19 is used to set the desired COR trigger point sensitivity.)

Installation and checkout of the CTC100 is now complete. Before concluding the checkout procedure, note that the unit has been factory programmed so that resetting of the "TIME-OUT" timer occurs immediately upon loss of input signal. If it is desired to have the timer reset upon the drop of the repeater transmitter carrier, remove the jumper wire between pins 5 & 7, and install it between pins 5 & 4. Note also that an auxiliary device driver has been provided at pin 9 which switches to ground in the presence of an incomming signal. (This driver is deactivated whenever the "COR DISABLE" Switch is opened.)